

**Table C-80. Federal obligations for research and development
and for R&D plant, by State: fiscal year 1995**

[Dollars in thousands]

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State	Research, development, and R&D plant	Research and development	R&D plant
Total	69,462,377	67,246,794	2,215,583
Alabama	2,060,343	2,016,252	44,091
Alaska	98,276	96,915	1,361
Arizona	957,765	915,087	42,678
Arkansas	101,646	97,724	3,922
California	13,118,364	12,703,572	414,792
Colorado	996,292	965,060	31,232
Connecticut	907,512	902,334	5,178
Delaware	58,266	56,381	1,885
District of Columbia	2,808,135	2,805,093	3,042
Florida	2,445,404	2,403,899	41,505
Georgia	4,378,130	4,365,770	12,360
Hawaii	480,926	480,428	498
Idaho	219,934	211,063	8,871
Illinois	1,306,340	1,116,137	190,203
Indiana	430,975	426,192	4,783
Iowa	229,813	214,316	15,497
Kansas	122,035	120,846	1,189
Kentucky	80,384	75,670	4,714
Louisiana	197,805	176,253	21,552
Maine	55,211	54,476	735
Maryland	7,429,547	7,039,183	390,364
Massachusetts	3,362,634	3,339,532	23,102
Michigan	692,991	688,376	4,615
Minnesota	576,206	571,128	5,078
Mississippi	249,341	212,739	36,602
Missouri	1,617,886	1,613,322	4,564
Montana	69,741	64,821	4,920
Nebraska	89,079	86,762	2,317
Nevada	411,029	372,570	38,459
New Hampshire	213,666	213,647	19
New Jersey	1,361,234	1,325,902	35,332
New Mexico	2,120,842	1,987,076	133,766
New York	2,740,477	2,581,383	159,094
North Carolina	851,218	825,433	25,785
North Dakota	52,172	47,313	4,859
Ohio	1,958,963	1,811,413	147,550
Oklahoma	162,195	159,395	2,800
Oregon	282,414	277,229	5,185
Pennsylvania	2,449,664	2,414,250	35,414
Rhode Island	522,767	515,425	7,342
South Carolina	180,679	177,962	2,717
South Dakota	30,818	26,492	4,326
Tennessee	619,023	581,956	37,067
Texas	4,146,514	4,062,175	84,339
Utah	376,460	371,208	5,252
Vermont	53,599	53,590	9
Virginia	3,684,222	3,603,023	81,199
Washington	1,192,069	1,127,750	64,319
West Virginia	301,771	296,347	5,424
Wisconsin	356,662	347,089	9,573
Wyoming	36,639	35,151	1,488
Outlying areas	167,016	165,665	1,351
Puerto Rico	46,930	46,657	273
Other areas	120,086	119,008	1,078
Offices abroad	49,283	48,019	1,264

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1995.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-81. Federal obligations for research and development, by State and performer: fiscal year 1995

[Dollars in thousands]

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State (in order of total Federal research & development obligations)	Total	Intra mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	67,246,794	16,685,761	30,417,960	1,172,983	11,766,377	3,556,732	2,561,194	805,107	280,680
California	12,703,572	1,843,729	6,685,458	21,790	1,666,792	1,847,456	361,960	245,360	31,027
Maryland	7,039,183	4,158,824	1,956,488	141,701	654,050	0	123,499	1,564	3,057
Georgia	4,365,770	272,178	3,849,787	0	232,133	0	7,766	0	3,906
Texas	4,062,175	537,508	2,701,709	0	649,159	0	163,001	860	9,938
Virginia	3,603,023	1,580,530	1,534,313	0	206,554	59,031	41,651	177,472	3,472
Massachusetts	3,339,532	315,749	1,337,516	0	767,355	160,583	587,363	158,589	12,377
District of Columbia	2,805,093	2,106,077	381,390	0	147,605	0	168,518	0	1,503
New York	2,581,383	117,250	947,675	0	1,026,807	203,873	202,749	0	83,029
Pennsylvania	2,414,250	227,520	1,251,691	0	717,636	21,980	189,379	0	6,044
Florida	2,403,899	554,440	1,573,440	0	262,972	0	8,165	0	4,882
Alabama	2,016,252	642,257	1,159,369	0	194,411	0	17,882	0	2,333
New Mexico	1,987,076	481,047	226,496	635,692	92,493	534,882	6,218	7,417	2,831
Ohio	1,811,413	599,044	810,049	0	326,720	0	71,914	0	3,686
Missouri	1,613,322	55,445	1,303,721	0	232,766	0	17,723	0	3,667
New Jersey	1,325,902	343,667	630,884	0	215,220	115,284	11,332	4,130	5,385
Washington	1,127,750	159,837	329,654	0	330,375	0	95,900	204,972	7,012
Illinois	1,116,137	80,626	133,876	0	434,009	421,040	41,416	0	5,170
Colorado	965,060	167,869	434,627	0	227,195	79,483	46,418	4,743	4,725
Arizona	915,087	177,935	528,327	0	170,299	29,099	6,198	0	3,229
Connecticut	902,334	17,690	635,941	0	234,126	0	9,737	0	4,840
North Carolina	825,433	220,179	99,913	0	440,465	0	59,002	0	5,874
Michigan	688,376	82,008	155,055	0	397,365	0	49,778	0	4,170
Tennessee	581,956	62,100	34,700	278,132	167,951	16,940	19,875	0	2,258
Minnesota	571,128	30,139	254,153	0	195,912	0	84,775	0	6,149
Rhode Island	515,425	254,302	179,292	0	62,738	0	16,767	0	2,326
Hawaii	480,428	401,963	11,179	0	51,060	0	14,520	0	1,706
Indiana	426,192	62,061	183,529	0	173,978	0	3,596	0	3,028
Nevada	372,570	34,669	313,505	0	22,107	0	1,457	0	832
Utah	371,208	131,138	98,522	0	128,347	0	7,730	0	5,471
Wisconsin	347,089	40,344	35,934	0	260,374	0	6,720	0	3,717
West Virginia	296,347	139,595	83,116	0	35,132	29,597	5,999	0	2,908
Oregon	277,229	55,959	39,176	0	144,181	0	33,120	0	4,793
Iowa	214,316	37,257	12,623	0	130,285	29,815	1,054	0	3,282
New Hampshire	213,647	30,902	121,212	0	59,179	0	1,722	0	632
Mississippi	212,739	132,616	26,162	0	49,283	0	3,305	0	1,373
Idaho	211,063	27,792	101,893	65,810	13,536	0	548	0	1,484
South Carolina	177,962	34,441	41,168	29,858	65,741	0	2,732	0	4,022
Louisiana	176,253	45,108	22,035	0	103,764	0	1,863	0	3,483
Oklahoma	159,395	45,104	55,518	0	47,519	0	9,289	0	1,965
Kansas	120,846	12,296	42,764	0	62,934	0	910	0	1,942
Arkansas	97,724	57,563	3,016	0	32,766	0	3,138	0	1,241
Alaska	96,915	60,545	8,729	0	24,411	0	635	0	2,595
Nebraska	86,762	23,132	4,011	0	52,549	0	5,754	0	1,316
Kentucky	75,670	5,911	5,008	0	61,993	0	1,102	0	1,656
Montana	64,821	33,553	6,346	0	21,239	0	1,677	0	2,006
Delaware	56,381	15,477	15,449	0	21,934	0	2,994	0	527
Maine	54,476	4,238	9,089	0	15,841	0	23,310	0	1,998
Vermont	53,590	4,702	13,358	0	33,514	0	1,413	0	603
North Dakota	47,313	25,042	539	0	20,054	0	947	0	731
Wyoming	35,151	8,669	223	0	12,680	0	12,628	0	951
South Dakota	26,492	13,428	2,737	0	8,392	0	847	0	1,088
Outlying areas	165,665	96,041	684	0	59,266	7,669	186	0	1,819
Puerto Rico	46,657	7,163	0	0	29,999	7,669	186	0	1,640
Other areas	119,008	88,878	684	0	29,267	0	0	0	179
Offices abroad	48,019	18,265	24,911	0	1,210	0	3,012	0	621

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-81a. Percentage distribution of Federal obligations for research and development to each performer, by State: fiscal year 1995

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State (in order of total Federal research & development obligations)	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	18.9	11.0	22.0	1.9	14.2	51.9	14.1	30.5	11.1
Maryland	10.5	24.9	6.4	12.1	5.6	.0	4.8	.2	1.1
Georgia	6.5	1.6	12.7	.0	2.0	.0	.3	.0	1.4
Texas	6.0	3.2	8.9	.0	5.5	.0	6.4	.1	3.5
Virginia	5.4	9.5	5.0	.0	1.8	1.7	1.6	22.0	1.2
Massachusetts	5.0	1.9	4.4	.0	6.5	4.5	22.9	19.7	4.4
District of Columbia	4.2	12.6	1.3	.0	1.3	.0	6.6	.0	.5
New York	3.8	.7	3.1	.0	8.7	5.7	7.9	.0	29.6
Pennsylvania	3.6	1.4	4.1	.0	6.1	.6	7.4	.0	2.2
Florida	3.6	3.3	5.2	.0	2.2	.0	.3	.0	1.7
Alabama	3.0	3.8	3.8	.0	1.7	.0	.7	.0	.8
New Mexico	3.0	2.9	.7	54.2	.8	15.0	.2	.9	1.0
Ohio	2.7	3.6	2.7	.0	2.8	.0	2.8	.0	1.3
Missouri	2.4	.3	4.3	.0	2.0	.0	.7	.0	1.3
New Jersey	2.0	2.1	2.1	.0	1.8	3.2	.4	.5	1.9
Washington	1.7	1.0	1.1	.0	2.8	.0	3.7	25.5	2.5
Illinois	1.7	.5	.4	.0	3.7	11.8	1.6	.0	1.8
Colorado	1.4	1.0	1.4	.0	1.9	2.2	1.8	.6	1.7
Arizona	1.4	1.1	1.7	.0	1.4	.8	.2	.0	1.2
Connecticut	1.3	.1	2.1	.0	2.0	.0	.4	.0	1.7
North Carolina	1.2	1.3	.3	.0	3.7	.0	2.3	.0	2.1
Michigan	1.0	.5	.5	.0	3.4	.0	1.9	.0	1.5
Tennessee .....	.9	.4	.1	23.7	1.4	.5	.8	.0	.8
Minnesota .....	.8	.2	.8	.0	1.7	.0	3.3	.0	2.2
Rhode Island .....	.8	1.5	.6	.0	.5	.0	.7	.0	.8
Hawaii .....	.7	2.4	*	.0	.4	.0	.6	.0	.6
Indiana .....	.6	.4	.6	.0	1.5	.0	.1	.0	1.1
Nevada .....	.6	.2	1.0	.0	.2	.0	.1	.0	.3
Utah .....	.6	.8	.3	.0	1.1	.0	.3	.0	1.9
Wisconsin .....	.5	.2	.1	.0	2.2	.0	.3	.0	1.3
West Virginia .....	.4	.8	.3	.0	.3	.8	.2	.0	1.0
Oregon .....	.4	.3	.1	.0	1.2	.0	1.3	.0	1.7
Iowa .....	.3	.2	*	.0	1.1	.8	*	.0	1.2
New Hampshire .....	.3	.2	.4	.0	.5	.0	.1	.0	.2
Mississippi .....	.3	.8	.1	.0	.4	.0	.1	.0	.5
Idaho .....	.3	.2	.3	5.6	.1	.0	*	.0	.5
South Carolina .....	.3	.2	.1	2.5	.6	.0	.1	.0	1.4
Louisiana .....	.3	.3	.1	.0	.9	.0	.1	.0	1.2
Oklahoma .....	.2	.3	.2	.0	.4	.0	.4	.0	.7
Kansas .....	.2	.1	.1	.0	.5	.0	*	.0	.7
Arkansas .....	.1	.3	*	.0	.3	.0	.1	.0	.4
Alaska .....	.1	.4	*	.0	.2	.0	*	.0	.9
Nebraska .....	.1	.1	*	.0	.4	.0	.2	.0	.5
Kentucky .....	.1	*	*	.0	.5	.0	*	.0	.6
Montana .....	.1	.2	*	.0	.2	.0	.1	.0	.7
Delaware .....	.1	.1	.1	.0	.2	.0	.1	.0	.2
Maine .....	.1	*	*	.0	.1	.0	.9	.0	.7
Vermont .....	.1	*	*	.0	.3	.0	.1	.0	.2
North Dakota .....	.1	.2	*	.0	.2	.0	*	.0	.3
Wyoming .....	.1	.1	*	.0	.1	.0	.5	.0	.3
South Dakota	*	.1	*	.0	.1	.0	*	.0	.4
Outlying areas .....	.2	.6	*	.0	.5	.2	*	.0	.6
Puerto Rico .....	.1	*	.0	.0	.3	.2	*	.0	.6
Other areas .....	.2	.5	*	.0	.2	.0	.0	.0	.1
Offices abroad .....	.1	.1	.1	.0	*	.0	.1	.0	.2

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

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KEY: * = Percentage less than .05%
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-81b. Percentage distribution of Federal obligations for research and development to each State, by performer: fiscal year 1995

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State (in order of total Federal research & development obligations)	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	24.8	45.2	1.7	17.5	5.3	3.8	1.2	0.4
California	100.0	14.5	52.6	.2	13.1	14.5	2.8	1.9	.2
Maryland	100.0	59.1	27.8	2.0	9.3	.0	1.8	*	*
Georgia	100.0	6.2	88.2	.0	5.3	.0	.2	.0	.1
Texas	100.0	13.2	66.5	.0	16.0	.0	4.0	*	.2
Virginia	100.0	43.9	42.6	.0	5.7	1.6	1.2	4.9	.1
Massachusetts	100.0	9.5	40.1	.0	23.0	4.8	17.6	4.7	.4
District of Columbia	100.0	75.1	13.6	.0	5.3	.0	6.0	.0	.1
New York	100.0	4.5	36.7	.0	39.8	7.9	7.9	.0	3.2
Pennsylvania	100.0	9.4	51.8	.0	29.7	.9	7.8	.0	.3
Florida	100.0	23.1	65.5	.0	10.9	.0	.3	.0	.2
Alabama	100.0	31.9	57.5	.0	9.6	.0	.9	.0	.1
New Mexico	100.0	24.2	11.4	32.0	4.7	26.9	.3	.4	.1
Ohio	100.0	33.1	44.7	.0	18.0	.0	4.0	.0	.2
Missouri	100.0	3.4	80.8	.0	14.4	.0	1.1	.0	.2
New Jersey	100.0	25.9	47.6	.0	16.2	8.7	.9	.3	.4
Washington	100.0	14.2	29.2	.0	29.3	.0	8.5	18.2	.6
Illinois	100.0	7.2	12.0	.0	38.9	37.7	3.7	.0	.5
Colorado	100.0	17.4	45.0	.0	23.5	8.2	4.8	.5	.5
Arizona	100.0	19.4	57.7	.0	18.6	3.2	.7	.0	.4
Connecticut	100.0	2.0	70.5	.0	25.9	.0	1.1	.0	.5
North Carolina	100.0	26.7	12.1	.0	53.4	.0	7.1	.0	.7
Michigan	100.0	11.9	22.5	.0	57.7	.0	7.2	.0	.6
Tennessee	100.0	10.7	6.0	47.8	28.9	2.9	3.4	.0	.4
Minnesota	100.0	5.3	44.5	.0	34.3	.0	14.8	.0	1.1
Rhode Island	100.0	49.3	34.8	.0	12.2	.0	3.3	.0	.5
Hawaii	100.0	83.7	2.3	.0	10.6	.0	3.0	.0	.4
Indiana	100.0	14.6	43.1	.0	40.8	.0	.8	.0	.7
Nevada	100.0	9.3	84.1	.0	5.9	.0	.4	.0	.2
Utah	100.0	35.3	26.5	.0	34.6	.0	2.1	.0	1.5
Wisconsin	100.0	11.6	10.4	.0	75.0	.0	1.9	.0	1.1
West Virginia	100.0	47.1	28.0	.0	11.9	10.0	2.0	.0	1.0
Oregon	100.0	20.2	14.1	.0	52.0	.0	11.9	.0	1.7
Iowa	100.0	17.4	5.9	.0	60.8	13.9	.5	.0	1.5
New Hampshire	100.0	14.5	56.7	.0	27.7	.0	.8	.0	.3
Mississippi	100.0	62.3	12.3	.0	23.2	.0	1.6	.0	.6
Idaho	100.0	13.2	48.3	31.2	6.4	.0	.3	.0	.7
South Carolina	100.0	19.4	23.1	16.8	36.9	.0	1.5	.0	2.3
Louisiana	100.0	25.6	12.5	.0	58.9	.0	1.1	.0	2.0
Oklahoma	100.0	28.3	34.8	.0	29.8	.0	5.8	.0	1.2
Kansas	100.0	10.2	35.4	.0	52.1	.0	.8	.0	1.6
Arkansas	100.0	58.9	3.1	.0	33.5	.0	3.2	.0	1.3
Alaska	100.0	62.5	9.0	.0	25.2	.0	.7	.0	2.7
Nebraska	100.0	26.7	4.6	.0	60.6	.0	6.6	.0	1.5
Kentucky	100.0	7.8	6.6	.0	81.9	.0	1.5	.0	2.2
Montana	100.0	51.8	9.8	.0	32.8	.0	2.6	.0	3.1
Delaware	100.0	27.5	27.4	.0	38.9	.0	5.3	.0	.9
Maine	100.0	7.8	16.7	.0	29.1	.0	42.8	.0	3.7
Vermont	100.0	8.8	24.9	.0	62.5	.0	2.6	.0	1.1
North Dakota	100.0	52.9	1.1	.0	42.4	.0	2.0	.0	1.5
Wyoming	100.0	24.7	.6	.0	36.1	.0	35.9	.0	2.7
South Dakota	100.0	50.7	10.3	.0	31.7	.0	3.2	.0	4.1
Outlying areas	100.0	58.0	.4	.0	35.8	4.6	.1	.0	1.1
Puerto Rico	100.0	15.4	.0	.0	64.3	16.4	.4	.0	3.5
Other areas	100.0	74.7	.6	.0	24.6	.0	.0	.0	.2
Offices abroad	100.0	38.0	51.9	.0	2.5	.0	6.3	.0	1.3

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

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KEY: * = Percentage less than .05%
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-82. Federal obligations for research and development, by State and agency: fiscal year 1995

[Dollars in thousands]

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State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense ¹	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	67,246,794	1,375,116	1,134,775	34,256,535	6,120,498	11,412,440	560,616	726,724	548,025	8,968,096	2,143,969
California	12,703,572	76,788	86,514	7,272,250	1,058,345	1,305,366	45,125	33,854	25,367	2,503,332	296,631
Maryland	7,039,183	135,649	369,997	2,914,007	60,671	2,239,094	16,863	52,528	6,562	1,189,026	54,786
Georgia	4,365,770	51,341	2,280	3,900,416	15,294	306,242	6,221	7,302	18,054	31,110	27,510
Texas	4,062,175	61,417	17,214	1,390,773	69,130	443,460	9,248	17,447	16,939	1,956,953	79,594
Virginia	3,603,023	12,129	36,758	2,549,556	93,285	146,354	51,152	55,657	33,901	563,187	61,044
Massachusetts	3,339,532	21,574	57,772	1,817,242	99,989	933,229	6,397	63,704	25,613	146,346	167,666
District of Columbia	2,805,093	142,064	27,486	1,396,543	349,156	221,291	14,869	177,455	60,381	341,121	74,727
New York	2,581,383	31,828	21,434	774,006	572,819	910,325	5,335	15,059	7,333	43,481	199,763
Pennsylvania	2,414,250	39,353	13,774	1,145,451	456,708	568,929	6,057	14,483	4,910	53,225	111,360
Florida	2,403,899	33,691	29,084	1,744,366	21,046	127,429	14,195	5,280	18,670	356,445	53,693
Alabama	2,016,252	16,158	2,025	1,324,964	34,131	127,447	4,085	2,592	4,333	487,012	13,505
New Mexico	1,987,076	5,864	341	780,776	1,066,387	35,773	5,219	19,876	2,304	56,080	14,456
Ohio	1,811,413	15,947	13,284	854,591	47,590	288,112	3,643	21,413	58,993	470,914	36,926
Missouri	1,613,322	19,702	164	1,342,017	5,234	203,994	10,059	2,063	1,434	11,873	16,782
New Jersey	1,325,902	7,235	44,822	676,659	157,547	106,047	4,101	81,417	8,228	189,885	49,961
Washington	1,127,750	36,622	58,453	346,330	231,267	308,384	14,880	4,378	2,145	77,434	47,857
Illinois	1,116,137	43,469	19,638	471,523	499,033	266,000	2,291	12,212	3,941	17,507	104,523
Colorado	965,060	30,093	76,164	372,513	39,115	151,008	45,647	7,702	6,364	115,796	120,658
Arizona	915,087	20,254	2,371	656,556	6,288	83,220	8,995	3,352	3,066	69,580	61,405
Connecticut	902,334	5,470	7,806	558,660	62,991	200,739	1,275	13,723	1,372	29,586	20,712
North Carolina	825,433	32,586	18,415	136,748	13,504	434,731	3,645	6,418	116,207	11,738	51,441
Michigan	688,376	20,205	47,728	219,678	13,779	254,994	6,792	9,416	21,217	22,263	72,304
Tennessee	581,956	9,249	1,115	82,725	299,627	142,131	3,074	3,300	1,101	23,667	15,967
Minnesota	571,128	23,826	15,748	255,331	5,736	198,156	4,101	6,338	18,028	7,422	36,442
Rhode Island	515,425	1,537	3,059	432,478	2,283	37,781	1,677	1,426	10,362	4,338	20,484
Hawaii	480,428	20,296	11,085	48,940	6,074	360,789	10,797	636	246	7,424	14,141
Indiana	426,192	16,342	1,061	229,504	21,849	91,482	2,670	8,218	2,631	11,447	40,988
Nevada	372,570	3,160	728	19,611	298,870	6,245	11,738	10,106	12,583	1,949	7,580
Utah	371,208	13,369	4,409	226,934	16,798	72,831	5,621	1,417	1,259	6,762	21,808
Wisconsin	347,089	34,643	5,144	30,945	19,040	161,351	12,607	5,587	2,010	35,932	39,830
West Virginia	296,347	20,837	153	17,014	134,360	59,614	6,377	2,611	10	22,831	32,540
Oregon	277,229	37,438	13,681	38,889	15,702	101,921	13,529	2,128	20,509	7,874	25,558
Iowa	214,316	39,159	1,343	21,335	28,913	82,815	2,526	15,988	2,766	7,197	12,274
New Hampshire	213,647	4,587	15,858	130,311	1,335	35,525	1,300	2,594	500	12,422	9,215
Mississippi	212,739	50,877	7,552	97,879	3,643	12,032	2,520	2,091	1,195	29,155	5,795
Idaho	211,063	18,429	476	12,889	161,093	1,806	9,687	1,330	769	724	3,860
South Carolina	177,962	15,236	40,099	34,987	38,134	33,776	2,784	1,431	465	2,420	8,630
Louisiana	176,253	33,149	2,910	38,354	11,514	54,438	15,235	1,551	5,868	3,738	9,496
Oklahoma	159,395	17,196	8,486	33,961	37,972	27,330	2,868	8,856	8,880	1,132	12,714
Kansas	120,846	12,981	173	43,422	6,164	34,479	3,362	1,514	4,970	3,512	10,269
Arkansas	97,724	16,276	23	4,192	72	66,972	3,763	1,205	692	1,667	2,862
Alaska	96,915	7,222	32,625	10,451	302	2,793	24,531	1,219	1,224	8,606	7,942
Nebraska	86,762	25,797	30	10,206	6,217	27,554	3,809	746	79	1,919	10,405
Kentucky	75,670	8,725	71	10,846	5,617	36,486	1,895	1,419	1,221	1,386	8,004
Montana	64,821	15,367	2,084	9,383	4,847	17,503	5,541	1,010	205	2,255	6,626
Delaware	56,381	4,084	8,240	21,175	1,562	4,869	769	4,222	522	2,358	8,580
Maine	54,476	5,857	3,061	5,771	5,898	22,836	1,744	528	585	2,118	6,078
Vermont	53,590	5,785	45	13,573	534	26,937	1,804	419	51	663	3,779
North Dakota	47,313	25,321	289	1,355	5,453	2,947	5,445	1,145	1,318	584	3,456
Wyoming	35,151	6,556	57	2,154	5,268	1,097	4,089	9,222	477	806	5,425
South Dakota	26,492	5,518	10	366	80	2,745	5,838	668	0	7,760	3,507
Outlying areas	165,665	13,088	1,636	8,512	32	23,020	102,821	468	165	3,513	12,410
Puerto Rico	46,657	9,316	400	159	32	21,915	2,065	468	165	0	12,137
Other areas	119,008	3,772	1,236	8,353	0	1,105	100,756	0	0	3,513	273
Offices abroad	48,019	3,770	0	41,417	2,200	11	0	0	0	621	0

¹ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-82a. Percentage distribution of Federal obligations for research and development of each agency, by State: fiscal year 1995

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State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense ¹	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	18.9	5.6	7.6	21.2	17.3	11.4	8.0	4.7	4.6	27.9	13.8
Maryland	10.5	9.9	32.6	8.5	1.0	19.6	3.0	7.2	1.2	13.3	2.6
Georgia	6.5	3.7	.2	11.4	.2	2.7	1.1	1.0	3.3	.3	1.3
Texas	6.0	4.5	1.5	4.1	1.1	3.9	1.6	2.4	3.1	21.8	3.7
Virginia	5.4	.9	3.2	7.4	1.5	1.3	9.1	7.7	6.2	6.3	2.8
Massachusetts	5.0	1.6	5.1	5.3	1.6	8.2	1.1	8.8	4.7	1.6	7.8
District of Columbia	4.2	10.3	2.4	4.1	5.7	1.9	2.7	24.4	11.0	3.8	3.5
New York	3.8	2.3	1.9	2.3	9.4	8.0	1.0	2.1	1.3	.5	9.3
Pennsylvania	3.6	2.9	1.2	3.3	7.5	5.0	1.1	2.0	.9	.6	5.2
Florida	3.6	2.5	2.6	5.1	.3	1.1	2.5	.7	3.4	4.0	2.5
Alabama	3.0	1.2	.2	3.9	.6	1.1	.7	.4	.8	5.4	.6
New Mexico	3.0	.4	*	2.3	17.4	.3	.9	2.7	.4	.6	.7
Ohio	2.7	1.2	1.2	2.5	.8	2.5	.6	2.9	10.8	5.3	1.7
Missouri	2.4	1.4	*	3.9	.1	1.8	1.8	.3	.3	.1	.8
New Jersey	2.0	.5	3.9	2.0	2.6	.9	.7	11.2	1.5	2.1	2.3
Washington	1.7	2.7	5.2	1.0	3.8	2.7	2.7	.6	.4	.9	2.2
Illinois	1.7	3.2	1.7	.4	8.2	2.3	.4	1.7	.7	.2	4.9
Colorado	1.4	2.2	6.7	1.1	.6	1.3	8.1	1.1	1.2	1.3	5.6
Arizona	1.4	1.5	.2	1.9	.1	.7	1.6	.5	.6	.8	2.9
Connecticut	1.3	.4	.7	1.6	1.0	1.8	.2	1.9	.3	.3	1.0
North Carolina	1.2	2.4	1.6	.4	.2	3.8	.7	.9	21.2	.1	2.4
Michigan	1.0	1.5	4.2	.6	.2	2.2	1.2	1.3	3.9	.2	3.4
Tennessee .....	.9	.7	.1	.2	4.9	1.2	.5	.5	.2	.3	.7
Minnesota .....	.8	1.7	1.4	.7	.1	1.7	.7	.9	3.3	.1	1.7
Rhode Island .....	.8	.1	.3	1.3	*	.3	.3	.2	1.9	*	1.0
Hawaii .....	.7	1.5	1.0	.1	.1	3.2	1.9	.1	*	.1	.7
Indiana .....	.6	1.2	.1	.7	.4	.8	.5	1.1	.5	.1	1.9
Nevada .....	.6	.2	.1	.1	4.9	.1	2.1	1.4	2.3	*	.4
Utah .....	.6	1.0	.4	.7	.3	.6	1.0	.2	.2	.1	1.0
Wisconsin .....	.5	2.5	.5	.1	.3	1.4	2.2	.8	.4	.4	1.9
West Virginia .....	.4	1.5	*	*	2.2	.5	1.1	.4	*	.3	1.5
Oregon .....	.4	2.7	1.2	.1	.3	.9	2.4	.3	3.7	.1	1.2
Iowa .....	.3	2.8	.1	.1	.5	.7	.5	2.2	.5	.1	.6
New Hampshire .....	.3	.3	1.4	.4	*	.3	.2	.4	.1	.1	.4
Mississippi .....	.3	3.7	.7	.3	.1	.1	.4	.3	.2	.3	.3
Idaho .....	.3	1.3	*	*	2.6	*	1.7	.2	.1	*	.2
South Carolina .....	.3	1.1	3.5	.1	.6	.3	.5	.2	.1	*	.4
Louisiana .....	.3	2.4	.3	.1	.2	.5	2.7	.2	1.1	*	.4
Oklahoma .....	.2	1.3	.7	.1	.6	.2	.5	1.2	1.6	*	.6
Kansas .....	.2	.9	*	.1	.1	.3	.6	.2	.9	*	.5
Arkansas .....	.1	1.2	*	*	*	.6	.7	.2	.1	*	.1
Alaska .....	.1	.5	2.9	*	*	*	4.4	.2	.2	.1	.4
Nebraska .....	.1	1.9	*	*	.1	.2	.7	.1	*	*	.5
Kentucky .....	.1	.6	*	*	.1	.3	.3	.2	.2	*	.4
Montana .....	.1	1.1	.2	*	.1	.2	1.0	.1	*	*	.3
Delaware .....	.1	.3	.7	.1	*	*	.1	.6	.1	*	.4
Maine .....	.1	.4	.3	*	.1	.2	.3	.1	.1	*	.3
Vermont .....	.1	.4	*	*	*	.2	.3	.1	*	*	.2
North Dakota .....	.1	1.8	*	*	.1	*	1.0	.2	.2	*	.2
Wyoming .....	.1	.5	*	*	.1	*	.7	1.3	.1	*	.3
South Dakota	*	.4	*	*	*	*	1.0	.1	.0	.1	.2
Outlying areas .....	.2	1.0	.1	*	*	.2	18.3	.1	*	*	.6
Puerto Rico .....	.1	.7	*	*	*	.2	.4	.1	*	.0	.6
Other areas .....	.2	.3	.1	*	.0	*	18.0	.0	.0	*	*
Offices abroad .....	.1	.3	.0	.1	*	*	.0	.0	.0	*	.0

¹ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: * = Percentage less than .05%
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-82b. Percentage distribution of Federal obligations for research and development of each State, by agency: fiscal year 1995

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State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense ¹	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	2.0	1.7	50.9	9.1	17.0	0.8	1.1	0.8	13.3	3.2
California	100.0	.6	.7	57.2	8.3	10.3	.4	.3	.2	19.7	2.3
Maryland	100.0	1.9	5.3	41.4	.9	31.8	.2	.7	.1	16.9	.8
Georgia	100.0	1.2	.1	89.3	.4	7.0	.1	.2	.4	.7	.6
Texas	100.0	1.5	.4	34.2	1.7	10.9	.2	.4	.4	48.2	2.0
Virginia	100.0	.3	1.0	70.8	2.6	4.1	1.4	1.5	.9	15.6	1.7
Massachusetts	100.0	.6	1.7	54.4	3.0	27.9	.2	1.9	.8	4.4	5.0
District of Columbia	100.0	5.1	1.0	49.8	12.4	7.9	.5	6.3	2.2	12.2	2.7
New York	100.0	1.2	.8	30.0	22.2	35.3	.2	.6	.3	1.7	7.7
Pennsylvania	100.0	1.6	.6	47.4	18.9	23.6	.3	.6	.2	2.2	4.6
Florida	100.0	1.4	1.2	72.6	.9	5.3	.6	.2	.8	14.8	2.2
Alabama	100.0	.8	.1	65.7	1.7	6.3	.2	.1	.2	24.2	.7
New Mexico	100.0	.3	*	39.3	53.7	1.8	.3	1.0	.1	2.8	.7
Ohio	100.0	.9	.7	47.2	2.6	15.9	.2	1.2	3.3	26.0	2.0
Missouri	100.0	1.2	*	83.2	.3	12.6	.6	.1	.1	.7	1.0
New Jersey	100.0	.5	3.4	51.0	11.9	8.0	.3	6.1	.6	14.3	3.8
Washington	100.0	3.2	5.2	30.7	20.5	27.3	1.3	.4	.2	6.9	4.2
Illinois	100.0	3.9	1.8	13.2	44.7	23.8	.2	1.1	.4	1.6	9.4
Colorado	100.0	3.1	7.9	38.6	4.1	15.6	4.7	.8	.7	12.0	12.5
Arizona	100.0	2.2	.3	71.7	.7	9.1	1.0	.4	.3	7.6	6.7
Connecticut	100.0	.6	.9	61.9	7.0	22.2	.1	1.5	.2	3.3	2.3
North Carolina	100.0	3.9	2.2	16.6	1.6	52.7	.4	.8	14.1	1.4	6.2
Michigan	100.0	2.9	6.9	31.9	2.0	37.0	1.0	1.4	3.1	3.2	10.5
Tennessee	100.0	1.6	.2	14.2	51.5	24.4	.5	.6	.2	4.1	2.7
Minnesota	100.0	4.2	2.8	44.7	1.0	34.7	.7	1.1	3.2	1.3	6.4
Rhode Island	100.0	.3	.6	83.9	.4	7.3	.3	.3	2.0	.8	4.0
Hawaii	100.0	4.2	2.3	10.2	1.3	75.1	2.2	.1	.1	1.5	2.9
Indiana	100.0	3.8	.2	53.8	5.1	21.5	.6	1.9	.6	2.7	9.6
Nevada	100.0	.8	.2	5.3	80.2	1.7	3.2	2.7	3.4	.5	2.0
Utah	100.0	3.6	1.2	61.1	4.5	19.6	1.5	.4	.3	1.8	5.9
Wisconsin	100.0	10.0	1.5	8.9	5.5	46.5	3.6	1.6	.6	10.4	11.5
West Virginia	100.0	7.0	.1	5.7	45.3	20.1	2.2	.9	*	7.7	11.0
Oregon	100.0	13.5	4.9	14.0	5.7	36.8	4.9	.8	7.4	2.8	9.2
Iowa	100.0	18.3	.6	10.0	13.5	38.6	1.2	7.5	1.3	3.4	5.7
New Hampshire	100.0	2.1	7.4	61.0	.6	16.6	.6	1.2	.2	5.8	4.3
Mississippi	100.0	23.9	3.5	46.0	1.7	5.7	1.2	1.0	.6	13.7	2.7
Idaho	100.0	8.7	.2	6.1	76.3	.9	4.6	.6	.4	.3	1.8
South Carolina	100.0	8.6	22.5	19.7	21.4	19.0	1.6	.8	.3	1.4	4.8
Louisiana	100.0	18.8	1.7	21.8	6.5	30.9	8.6	.9	3.3	2.1	5.4
Oklahoma	100.0	10.8	5.3	21.3	23.8	17.1	1.8	5.6	5.6	.7	8.0
Kansas	100.0	10.7	.1	35.9	5.1	28.5	2.8	1.3	4.1	2.9	8.5
Arkansas	100.0	16.7	*	4.3	.1	68.5	3.9	1.2	.7	1.7	2.9
Alaska	100.0	7.5	33.7	10.8	.3	2.9	25.3	1.3	1.3	8.9	8.2
Nebraska	100.0	29.7	*	11.8	7.2	31.8	4.4	.9	.1	2.2	12.0
Kentucky	100.0	11.5	.1	14.3	7.4	48.2	2.5	1.9	1.6	1.8	10.6
Montana	100.0	23.7	3.2	14.5	7.5	27.0	8.5	1.6	.3	3.5	10.2
Delaware	100.0	7.2	14.6	37.6	2.8	8.6	1.4	7.5	.9	4.2	15.2
Maine	100.0	10.8	5.6	10.6	10.8	41.9	3.2	1.0	1.1	3.9	11.2
Vermont	100.0	10.8	.1	25.3	1.0	50.3	3.4	.8	.1	1.2	7.1
North Dakota	100.0	53.5	.6	2.9	11.5	6.2	11.5	2.4	2.8	1.2	7.3
Wyoming	100.0	18.7	.2	6.1	15.0	3.1	11.6	26.2	1.4	2.3	15.4
South Dakota	100.0	20.8	*	1.4	.3	10.4	22.0	2.5	.0	29.3	13.2
Outlying areas	100.0	7.9	1.0	5.1	*	13.9	62.1	.3	.1	2.1	7.5
Puerto Rico	100.0	20.0	.9	.3	.1	47.0	4.4	1.0	.4	.0	26.0
Other areas	100.0	3.2	1.0	7.0	.0	.9	84.7	.0	.0	3.0	.2
Offices abroad	100.0	7.9	.0	86.3	4.6	*	.0	.0	.0	1.3	.0

¹ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: * = Percentage less than .05%
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Alabama, total	2,016,252	642,257	1,159,369	0	194,411	0	17,882	0	2,333
Department of Agriculture	16,158	4,950	0	0	11,123	0	0	0	85
Department of Commerce	2,025	515	150	0	1,323	0	0	0	37
Department of Defense, research ²	61,819	29,483	21,896	0	9,774	0	666	0	0
Department of Defense, total development ^{3 4}	1,263,145	330,180	929,146	0	3,819	0	0	0	0
Department of Energy	34,131	50	29,381	0	4,501	0	199	0	0
Department of Health & Human Svcs	127,447	0	2,286	0	110,381	0	13,982	0	798
Department of the Interior	4,085	3,416	0	0	669	0	0	0	0
Department of Transportation	2,592	1,004	0	0	208	0	0	0	1,380
Environmental Protection Agency	4,333	0	1,514	0	1,390	0	1,429	0	0
National Aeronautics and Space Admin ..	487,012	272,659	174,921	0	37,793	0	1,606	0	33
National Science Foundation	13,505	0	75	0	13,430	0	0	0	0
Alaska, total	96,915	60,545	8,729	0	24,411	0	635	0	2,595
Department of Agriculture	7,222	5,423	0	0	1,799	0	0	0	0
Department of Commerce	32,625	30,970	0	0	1,527	0	0	0	128
Department of Defense, research ²	2,016	876	126	0	1,014	0	0	0	0
Department of Defense, total development ^{3 4}	8,435	619	7,418	0	398	0	0	0	0
Department of Energy	302	0	253	0	49	0	0	0	0
Department of Health & Human Svcs	2,793	446	80	0	1,886	0	100	0	281
Department of the Interior	24,531	22,211	226	0	1,727	0	0	0	367
Department of Transportation	1,219	0	0	0	0	0	0	0	1,219
Environmental Protection Agency	1,224	0	496	0	128	0	0	0	600
National Aeronautics and Space Admin ..	8,606	0	0	0	8,606	0	0	0	0
National Science Foundation	7,942	0	130	0	7,277	0	535	0	0
Arizona, total	915,087	177,935	528,327	0	170,299	29,099	6,198	0	3,229
Department of Agriculture	20,254	14,016	80	0	6,133	0	0	0	25
Department of Commerce	2,371	0	1,070	0	723	0	0	0	578
Department of Defense, research ²	40,890	2,374	15,436	0	23,060	0	20	0	0
Department of Defense, total development ^{3 4}	615,666	132,155	481,732	0	1,739	0	0	0	40
Department of Energy	6,288	0	160	0	6,128	0	0	0	0
Department of Health & Human Svcs	83,220	15,647	1,355	0	60,267	0	4,939	0	1,012
Department of the Interior	8,995	8,230	94	0	671	0	0	0	0
Department of Transportation	3,352	0	2,163	0	40	0	0	0	1,149
Environmental Protection Agency	3,066	0	1,149	0	1,917	0	0	0	0
National Aeronautics and Space Admin ..	69,580	5,513	24,271	0	38,575	0	796	0	425
National Science Foundation	61,405	0	817	0	31,046	29,099	443	0	0
Arkansas, total	97,724	57,563	3,016	0	32,766	0	3,138	0	1,241
Department of Agriculture	16,276	6,126	480	0	9,553	0	83	0	34
Department of Commerce	23	0	23	0	0	0	0	0	0
Department of Defense, research ²	2,039	287	139	0	1,613	0	0	0	0
Department of Defense, total development ^{3 4}	2,153	1,642	463	0	48	0	0	0	0
Department of Energy	72	0	0	0	72	0	0	0	0
Department of Health & Human Svcs	66,972	45,858	847	0	16,899	0	3,035	0	333
Department of the Interior	3,763	3,650	0	0	113	0	0	0	0
Department of Transportation	1,205	0	319	0	12	0	0	0	874
Environmental Protection Agency	692	0	442	0	230	0	20	0	0
National Aeronautics and Space Admin ..	1,667	0	293	0	1,374	0	0	0	0
National Science Foundation	2,862	0	10	0	2,852	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
California, total	12,703,572	1,843,729	6,685,458	21,790	1,666,792	1,847,456	361,960	245,360	31,027
Department of Agriculture	76,788	55,432	0	0	21,039	0	317	0	0
Department of Commerce	86,514	14,161	62,180	0	9,335	75	541	0	222
Department of Defense, research ²	830,172	146,741	442,001	6,150	199,585	16,019	16,290	3,386	0
Department of Defense, total development ^{3 4}	6,442,078	1,277,541	4,910,910	72	56,150	40,570	25,181	131,654	0
Department of Energy	1,058,345	5,147	107,416	15,568	80,485	736,307	6,184	97,535	9,703
Department of Health & Human Svcs	1,305,366	4,274	119,258	0	869,400	21,073	275,580	11,558	4,223
Department of the Interior	45,125	40,680	1,139	0	2,826	160	320	0	0
Department of Transportation	33,854	8,096	6,737	0	3,149	277	1,500	0	14,095
Environmental Protection Agency	25,367	0	8,399	0	13,690	0	742	0	2,536
National Aeronautics and Space Admin ..	2,503,332	291,360	998,238	0	158,817	1,032,797	20,850	1,022	248
National Science Foundation	296,631	297	29,180	0	252,316	178	14,455	205	0
Colorado, total	965,060	167,869	434,627	0	227,195	79,483	46,418	4,743	4,725
Department of Agriculture	30,093	22,319	0	0	7,774	0	0	0	0
Department of Commerce	76,164	69,884	2,800	0	4,200	0	0	0	0
Department of Defense, research ²	52,329	7,343	25,955	0	18,559	462	10	0	0
Department of Defense, total development ^{3 4}	320,184	13,236	303,994	0	2,954	0	0	0	0
Department of Energy	39,115	3,142	20,279	0	9,721	0	1,230	4,743	0
Department of Health & Human Svcs	151,008	0	4,259	0	115,574	0	27,771	0	3,404
Department of the Interior	45,647	43,378	186	0	1,984	0	0	0	99
Department of Transportation	7,702	460	1,392	0	0	0	4,740	0	1,110
Environmental Protection Agency	6,364	0	2,161	0	2,366	0	1,837	0	0
National Aeronautics and Space Admin ..	115,796	6,542	71,161	0	20,937	7,449	9,707	0	0
National Science Foundation	120,658	1,565	3,160	0	43,126	71,572	1,123	0	112
Connecticut, total	902,334	17,690	635,941	0	234,126	0	9,737	0	4,840
Department of Agriculture	5,470	1,985	0	0	2,277	0	0	0	1,208
Department of Commerce	7,806	39	4,315	0	3,399	0	0	0	53
Department of Defense, research ²	35,366	1,053	23,645	0	10,668	0	0	0	0
Department of Defense, total development ^{3 4}	523,294	5,253	515,628	0	2,413	0	0	0	0
Department of Energy	62,991	0	52,992	0	9,999	0	0	0	0
Department of Health & Human Svcs	200,739	0	4,665	0	185,648	0	8,873	0	1,553
Department of the Interior	1,275	1,159	38	0	78	0	0	0	0
Department of Transportation	13,723	8,201	3,611	0	54	0	0	0	1,857
Environmental Protection Agency	1,372	0	1,094	0	113	0	100	0	65
National Aeronautics and Space Admin ..	29,586	0	27,457	0	1,788	0	341	0	0
National Science Foundation	20,712	0	2,496	0	17,689	0	423	0	104
Delaware, total	56,381	15,477	15,449	0	21,934	0	2,994	0	527
Department of Agriculture	4,084	996	50	0	3,038	0	0	0	0
Department of Commerce	8,240	1,155	5,857	0	1,188	0	0	0	40
Department of Defense, research ²	15,900	7,649	4,120	0	4,131	0	0	0	0
Department of Defense, total development ^{3 4}	5,275	2,374	2,342	0	559	0	0	0	0
Department of Energy	1,562	0	109	0	1,048	0	405	0	0
Department of Health & Human Svcs	4,869	0	483	0	3,595	0	704	0	87
Department of the Interior	769	643	0	0	116	0	0	0	10
Department of Transportation	4,222	2,660	1,072	0	100	0	0	0	390
Environmental Protection Agency	522	0	0	0	522	0	0	0	0
National Aeronautics and Space Admin ..	2,358	0	1,026	0	480	0	852	0	0
National Science Foundation	8,580	0	390	0	7,157	0	1,033	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
District of Columbia, total	2,805,093	2,106,077	381,390	0	147,605	0	168,518	0	1,503
Department of Agriculture	142,064	133,228	8,052	0	611	0	173	0	0
Department of Commerce	27,486	26,345	145	0	891	0	105	0	0
Department of Defense, research ²	462,484	364,715	70,160	0	19,722	0	7,887	0	0
Department of Defense, total development ^{3 4}	934,059	768,117	137,730	0	23,348	0	4,864	0	0
Department of Energy	349,156	300,628	38,062	0	4,144	0	6,322	0	0
Department of Health & Human Svcs	221,291	95,802	14,281	0	71,805	0	39,194	0	209
Department of the Interior	14,869	14,566	13	0	119	0	171	0	0
Department of Transportation	177,455	91,279	63,983	0	5,380	0	15,554	0	1,259
Environmental Protection Agency	60,381	45,398	2,178	0	492	0	12,313	0	0
National Aeronautics and Space Admin ..	341,121	259,276	42,904	0	8,258	0	30,648	0	35
National Science Foundation	74,727	6,723	3,882	0	12,835	0	51,287	0	0
Florida, total	2,403,899	554,440	1,573,440	0	262,972	0	8,165	0	4,882
Department of Agriculture	33,691	21,115	80	0	12,461	0	35	0	0
Department of Commerce	29,084	23,323	1,938	0	3,682	0	20	0	121
Department of Defense, research ²	115,173	43,458	43,481	0	28,234	0	0	0	0
Department of Defense, total development ^{3 4}	1,629,193	251,035	1,361,274	0	16,884	0	0	0	0
Department of Energy	21,046	0	9,542	0	10,827	0	677	0	0
Department of Health & Human Svcs	127,429	0	6,129	0	116,198	0	3,933	0	1,169
Department of the Interior	14,195	10,944	69	0	3,124	0	0	0	58
Department of Transportation	5,280	375	1,149	0	955	0	0	0	2,801
Environmental Protection Agency	18,670	7,823	8,583	0	2,122	0	0	0	142
National Aeronautics and Space Admin ..	356,445	196,367	140,980	0	17,734	0	773	0	591
National Science Foundation	53,693	0	215	0	50,751	0	2,727	0	0
Georgia, total	4,365,770	272,178	3,849,787	0	232,133	0	7,766	0	3,906
Department of Agriculture	51,341	38,047	0	0	13,043	0	0	0	251
Department of Commerce	2,280	362	1,208	0	700	0	0	0	10
Department of Defense, research ²	36,421	3,528	9,469	0	23,365	0	59	0	0
Department of Defense, total development ^{3 4}	3,863,995	15,396	3,823,144	0	23,707	0	1,748	0	0
Department of Energy	15,294	0	1,039	0	13,669	0	586	0	0
Department of Health & Human Svcs	306,242	190,976	815	0	111,227	0	2,859	0	365
Department of the Interior	6,221	5,871	0	0	350	0	0	0	0
Department of Transportation	7,302	613	1,707	0	1,061	0	1,687	0	2,234
Environmental Protection Agency	18,054	9,014	3,697	0	5,333	0	10	0	0
National Aeronautics and Space Admin ..	31,110	8,371	6,893	0	15,085	0	761	0	0
National Science Foundation	27,510	0	1,815	0	24,593	0	56	0	1,046
Hawaii, total	480,428	401,963	11,179	0	51,060	0	14,520	0	1,706
Department of Agriculture	20,296	9,987	0	0	4,941	0	5,368	0	0
Department of Commerce	11,085	7,599	237	0	3,121	0	0	0	128
Department of Defense, research ²	13,062	937	7,984	0	4,131	0	10	0	0
Department of Defense, total development ^{3 4}	35,878	32,739	1,576	0	758	0	0	0	805
Department of Energy	6,074	0	0	0	3,106	0	2,968	0	0
Department of Health & Human Svcs	360,789	340,000	606	0	14,532	0	5,560	0	91
Department of the Interior	10,797	10,651	0	0	100	0	0	0	46
Department of Transportation	636	0	0	0	0	0	0	0	636
Environmental Protection Agency	246	0	0	0	171	0	75	0	0
National Aeronautics and Space Admin ..	7,424	50	659	0	6,715	0	0	0	0
National Science Foundation	14,141	0	117	0	13,485	0	539	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Idaho, total	211,063	27,792	101,893	65,810	13,536	0	548	0	1,484
Department of Agriculture	18,429	13,304	0	0	5,090	0	35	0	0
Department of Commerce	476	476	0	0	0	0	0	0	0
Department of Defense, research ²	8,257	1,117	6,068	302	770	0	0	0	0
Department of Defense, total development ^{3 4}	4,632	2,542	153	1,244	693	0	0	0	0
Department of Energy	161,093	1,080	95,417	63,753	253	0	20	0	570
Department of Health & Human Svcs	1,806	0	0	0	1,068	0	493	0	245
Department of the Interior	9,687	8,805	40	0	842	0	0	0	0
Department of Transportation	1,330	0	150	511	0	0	0	0	669
Environmental Protection Agency	769	0	0	0	769	0	0	0	0
National Aeronautics and Space Admin ..	724	468	0	0	256	0	0	0	0
National Science Foundation	3,860	0	65	0	3,795	0	0	0	0
Illinois, total	1,116,137	80,626	133,876	0	434,009	421,040	41,416	0	5,170
Department of Agriculture	43,469	31,311	240	0	11,904	0	14	0	0
Department of Commerce	19,638	540	17,652	0	1,442	4	0	0	0
Department of Defense, research ²	73,897	18,593	7,501	0	45,559	1,979	265	0	0
Department of Defense, total development ^{3 4}	73,626	25,551	35,454	0	10,725	943	953	0	0
Department of Energy	499,033	0	56,875	0	21,481	417,794	2,454	0	429
Department of Health & Human Svcs	266,000	1,945	5,126	0	224,107	0	34,015	0	807
Department of the Interior	2,291	2,019	57	0	82	80	0	0	53
Department of Transportation	12,212	0	4,324	0	4,207	0	300	0	3,381
Environmental Protection Agency	3,941	0	1,737	0	1,344	0	360	0	500
National Aeronautics and Space Admin ..	17,507	667	3,787	0	11,809	240	1,004	0	0
National Science Foundation	104,523	0	1,123	0	101,349	0	2,051	0	0
Indiana, total	426,192	62,061	183,529	0	173,978	0	3,596	0	3,028
Department of Agriculture	16,342	4,902	80	0	11,090	0	110	0	160
Department of Commerce	1,061	105	535	0	409	0	12	0	0
Department of Defense, research ²	18,230	2,180	4,384	0	11,646	0	20	0	0
Department of Defense, total development ^{3 4}	211,274	50,925	154,422	0	2,976	0	2,951	0	0
Department of Energy	21,849	0	6,260	0	15,589	0	0	0	0
Department of Health & Human Svcs	91,482	150	3,085	0	86,535	0	367	0	1,345
Department of the Interior	2,670	2,579	0	0	91	0	0	0	0
Department of Transportation	8,218	0	6,716	0	0	0	0	0	1,502
Environmental Protection Agency	2,631	0	2,115	0	495	0	0	0	21
National Aeronautics and Space Admin ..	11,447	1,220	5,460	0	4,631	0	136	0	0
National Science Foundation	40,988	0	472	0	40,516	0	0	0	0
Iowa, total	214,316	37,257	12,623	0	130,285	29,815	1,054	0	3,282
Department of Agriculture	39,159	25,737	0	0	13,422	0	0	0	0
Department of Commerce	1,343	0	17	0	1,326	0	0	0	0
Department of Defense, research ²	8,176	483	1,929	0	5,725	30	9	0	0
Department of Defense, total development ^{3 4}	13,159	596	8,867	0	3,696	0	0	0	0
Department of Energy	28,913	0	0	0	2,983	25,930	0	0	0
Department of Health & Human Svcs	82,815	0	100	0	80,327	0	995	0	1,393
Department of the Interior	2,526	2,438	0	0	88	0	0	0	0
Department of Transportation	15,988	8,003	62	0	2,755	3,855	0	0	1,313
Environmental Protection Agency	2,766	0	0	0	2,140	0	50	0	576
National Aeronautics and Space Admin ..	7,197	0	1,548	0	5,649	0	0	0	0
National Science Foundation	12,274	0	100	0	12,174	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Kansas, total	120,846	12,296	42,764	0	62,934	0	910	0	1,942
Department of Agriculture	12,981	6,181	80	0	6,720	0	0	0	0
Department of Commerce	173	173	0	0	0	0	0	0	0
Department of Defense, research ²	3,184	656	1,248	0	1,280	0	0	0	0
Department of Defense, total development ^{3 4}	40,238	2,002	38,161	0	75	0	0	0	0
Department of Energy	6,164	0	378	0	5,774	0	12	0	0
Department of Health & Human Svcs	34,479	0	1,558	0	31,195	0	898	0	828
Department of the Interior	3,362	3,284	0	0	78	0	0	0	0
Department of Transportation	1,514	0	0	0	400	0	0	0	1,114
Environmental Protection Agency	4,970	0	0	0	4,970	0	0	0	0
National Aeronautics and Space Admin ..	3,512	0	1,208	0	2,304	0	0	0	0
National Science Foundation	10,269	0	131	0	10,138	0	0	0	0
Kentucky, total	75,670	5,911	5,008	0	61,993	0	1,102	0	1,656
Department of Agriculture	8,725	0	0	0	8,725	0	0	0	0
Department of Commerce	71	0	1	0	70	0	0	0	0
Department of Defense, research ²	4,165	1,024	409	0	2,732	0	0	0	0
Department of Defense, total development ^{3 4}	6,681	3,029	3,652	0	0	0	0	0	0
Department of Energy	5,617	0	120	0	5,477	0	0	0	20
Department of Health & Human Svcs	36,486	0	806	0	34,073	0	1,102	0	505
Department of the Interior	1,895	1,817	0	0	78	0	0	0	0
Department of Transportation	1,419	0	6	0	282	0	0	0	1,131
Environmental Protection Agency	1,221	0	0	0	1,221	0	0	0	0
National Aeronautics and Space Admin ..	1,386	41	0	0	1,345	0	0	0	0
National Science Foundation	8,004	0	14	0	7,990	0	0	0	0
Louisiana, total	176,253	45,108	22,035	0	103,764	0	1,863	0	3,483
Department of Agriculture	33,149	25,349	0	0	7,760	0	40	0	0
Department of Commerce	2,910	902	687	0	1,204	0	0	0	117
Department of Defense, research ²	18,471	286	1,823	0	16,352	0	10	0	0
Department of Defense, total development ^{3 4}	19,883	3,091	14,809	0	1,983	0	0	0	0
Department of Energy	11,514	175	3,963	0	7,376	0	0	0	0
Department of Health & Human Svcs	54,438	2,213	215	0	49,753	0	1,813	0	444
Department of the Interior	15,235	13,090	0	0	2,093	0	0	0	52
Department of Transportation	1,551	0	0	0	226	0	0	0	1,325
Environmental Protection Agency	5,868	0	149	0	5,719	0	0	0	0
National Aeronautics and Space Admin ..	3,738	2	304	0	3,432	0	0	0	0
National Science Foundation	9,496	0	85	0	7,866	0	0	0	1,545
Maine, total	54,476	4,238	9,089	0	15,841	0	23,310	0	1,998
Department of Agriculture	5,857	1,146	0	0	4,711	0	0	0	0
Department of Commerce	3,061	701	0	0	2,249	0	5	0	106
Department of Defense, research ²	2,441	285	233	0	1,813	0	110	0	0
Department of Defense, total development ^{3 4}	3,330	802	2,119	0	379	0	30	0	0
Department of Energy	5,898	0	3,778	0	870	0	1,250	0	0
Department of Health & Human Svcs	22,836	0	1,577	0	914	0	19,206	0	1,139
Department of the Interior	1,744	1,304	8	0	359	0	0	0	73
Department of Transportation	528	0	53	0	0	0	0	0	475
Environmental Protection Agency	585	0	300	0	285	0	0	0	0
National Aeronautics and Space Admin ..	2,118	0	885	0	294	0	734	0	205
National Science Foundation	6,078	0	136	0	3,967	0	1,975	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-83. Federal obligations for research and development, by State, agency,
and performer: fiscal year 1995**

[Dollars in thousands]

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State and agency	Total	Intra- mural ¹	Extramural						
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu- tions	FFRDCs admin by non- profit institu- tions	State and local govts
Maryland, total	7,039,183	4,158,824	1,956,488	141,701	654,050	0	123,499	1,564	3,057
Department of Agriculture	135,649	123,410	0	0	12,141	0	85	0	13
Department of Commerce	369,997	333,301	29,081	0	7,165	0	327	0	123
Department of Defense, research ²	344,909	224,424	62,011	65	44,498	0	13,160	751	0
Department of Defense, total development ^{3 4}	2,569,098	1,491,816	891,858	0	173,222	0	11,589	613	0
Department of Energy	60,671	26,777	15,379	0	16,594	0	1,921	0	0
Department of Health & Human Svcs	2,239,094	1,583,184	197,376	141,636	314,004	0	2,192	0	702
Department of the Interior	16,863	16,377	172	0	312	0	2	0	0
Department of Transportation	52,528	7,153	41,199	0	2,304	0	0	0	1,872
Environmental Protection Agency	6,562	0	3,497	0	2,515	0	550	0	0
National Aeronautics and Space Admin ..	1,189,026	348,891	704,674	0	45,024	0	89,890	200	347
National Science Foundation	54,786	3,491	11,241	0	36,271	0	3,783	0	0
Massachusetts, total	3,339,532	315,749	1,337,516	0	767,355	160,583	587,363	158,589	12,377
Department of Agriculture	21,574	15,529	160	0	5,364	0	521	0	0
Department of Commerce	57,772	26,479	27,207	0	3,682	0	49	0	355
Department of Defense, research ²	298,479	62,721	110,811	0	85,422	20,058	18,687	780	0
Department of Defense, total development ^{3 4}	1,518,763	131,204	1,047,826	0	23,721	129,278	31,588	155,146	0
Department of Energy	99,989	20	7,177	0	86,485	0	6,307	0	0
Department of Health & Human Svcs	933,229	27,841	83,281	0	343,448	2,805	468,178	0	7,676
Department of the Interior	6,397	5,249	81	0	697	370	0	0	0
Department of Transportation	63,704	41,926	7,954	0	1,909	7,729	0	0	4,186
Environmental Protection Agency	25,613	0	15,532	0	8,030	0	1,891	0	160
National Aeronautics and Space Admin ..	146,346	3,593	28,584	0	58,896	343	52,381	2,549	0
National Science Foundation	167,666	1,187	8,903	0	149,701	0	7,761	114	0
Michigan, total	688,376	82,008	155,055	0	397,365	0	49,778	0	4,170
Department of Agriculture	20,205	5,836	158	0	14,211	0	0	0	0
Department of Commerce	47,728	6,483	38,426	0	1,086	0	1,604	0	129
Department of Defense, research ²	55,380	19,162	9,863	0	25,590	0	765	0	0
Department of Defense, total development ^{3 4}	164,298	44,023	83,880	0	8,034	0	28,361	0	0
Department of Energy	13,779	0	265	0	12,477	0	1,037	0	0
Department of Health & Human Svcs	254,994	0	7,270	0	238,050	0	7,656	0	2,018
Department of the Interior	6,792	6,487	0	0	305	0	0	0	0
Department of Transportation	9,416	17	3,061	0	4,315	0	0	0	2,023
Environmental Protection Agency	21,217	0	6,722	0	12,267	0	2,228	0	0
National Aeronautics and Space Admin ..	22,263	0	3,438	0	13,156	0	5,669	0	0
National Science Foundation	72,304	0	1,972	0	67,874	0	2,458	0	0
Minnesota, total	571,128	30,139	254,153	0	195,912	0	84,775	0	6,149
Department of Agriculture	23,826	13,815	0	0	9,980	0	6	0	25
Department of Commerce	15,748	341	14,438	0	969	0	0	0	0
Department of Defense, research ²	55,624	493	46,098	0	8,890	0	143	0	0
Department of Defense, total development ^{3 4}	199,707	704	174,742	0	2,317	0	21,944	0	0
Department of Energy	5,736	0	0	0	5,476	0	260	0	0
Department of Health & Human Svcs	198,156	0	4,625	0	128,051	0	61,831	0	3,649
Department of the Interior	4,101	3,870	5	0	199	0	0	0	27
Department of Transportation	6,338	0	3,775	0	240	0	0	0	2,323
Environmental Protection Agency	18,028	10,916	5,102	0	1,885	0	0	0	125
National Aeronautics and Space Admin ..	7,422	0	3,981	0	3,024	0	417	0	0
National Science Foundation	36,442	0	1,387	0	34,881	0	174	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Mississippi, total	212,739	132,616	26,162	0	49,283	0	3,305	0	1,373
Department of Agriculture	50,877	36,399	0	0	13,740	0	738	0	0
Department of Commerce	7,552	6,451	0	0	1,066	0	0	0	35
Department of Defense, research ²	51,828	35,994	7,721	0	8,113	0	0	0	0
Department of Defense, total development ^{3 4}	46,051	32,006	10,543	0	3,502	0	0	0	0
Department of Energy	3,643	0	258	0	3,385	0	0	0	0
Department of Health & Human Svcs	12,032	0	100	0	11,309	0	232	0	391
Department of the Interior	2,520	2,442	0	0	78	0	0	0	0
Department of Transportation	2,091	1,103	0	0	41	0	0	0	947
Environmental Protection Agency	1,195	0	0	0	758	0	437	0	0
National Aeronautics and Space Admin ..	29,155	18,218	7,540	0	1,499	0	1,898	0	0
National Science Foundation	5,795	3	0	0	5,792	0	0	0	0
Missouri, total	1,613,322	55,445	1,303,721	0	232,766	0	17,723	0	3,667
Department of Agriculture	19,702	7,993	80	0	11,629	0	0	0	0
Department of Commerce	164	48	0	0	116	0	0	0	0
Department of Defense, research ²	25,764	1,718	15,825	0	8,221	0	0	0	0
Department of Defense, total development ^{3 4}	1,316,253	36,224	1,279,474	0	555	0	0	0	0
Department of Energy	5,234	10	0	0	4,889	0	335	0	0
Department of Health & Human Svcs	203,994	0	380	0	185,524	0	16,240	0	1,850
Department of the Interior	10,059	9,371	153	0	475	0	0	0	60
Department of Transportation	2,063	0	306	0	0	0	0	0	1,757
Environmental Protection Agency	1,434	0	801	0	439	0	194	0	0
National Aeronautics and Space Admin ..	11,873	0	6,329	0	5,544	0	0	0	0
National Science Foundation	16,782	81	373	0	15,374	0	954	0	0
Montana, total	64,821	33,553	6,346	0	21,239	0	1,677	0	2,006
Department of Agriculture	15,367	9,792	60	0	5,376	0	139	0	0
Department of Commerce	2,084	0	2,084	0	0	0	0	0	0
Department of Defense, research ²	2,414	357	40	0	2,017	0	0	0	0
Department of Defense, total development ^{3 4}	6,969	5,735	1,142	0	92	0	0	0	0
Department of Energy	4,847	195	2,264	0	1,288	0	285	0	815
Department of Health & Human Svcs	17,503	12,400	50	0	3,667	0	1,205	0	181
Department of the Interior	5,541	5,074	80	0	387	0	0	0	0
Department of Transportation	1,010	0	0	0	0	0	0	0	1,010
Environmental Protection Agency	205	0	0	0	205	0	0	0	0
National Aeronautics and Space Admin ..	2,255	0	561	0	1,694	0	0	0	0
National Science Foundation	6,626	0	65	0	6,513	0	48	0	0
Nebraska, total	86,762	23,132	4,011	0	52,549	0	5,754	0	1,316
Department of Agriculture	25,797	17,206	0	0	8,491	0	100	0	0
Department of Commerce	30	0	0	0	30	0	0	0	0
Department of Defense, research ²	4,570	1,130	414	0	3,026	0	0	0	0
Department of Defense, total development ^{3 4}	5,636	1,562	2,262	0	1,308	0	504	0	0
Department of Energy	6,217	0	210	0	6,007	0	0	0	0
Department of Health & Human Svcs	27,554	0	932	0	20,950	0	5,150	0	522
Department of the Interior	3,809	3,234	0	0	527	0	0	0	48
Department of Transportation	746	0	0	0	0	0	0	0	746
Environmental Protection Agency	79	0	0	0	79	0	0	0	0
National Aeronautics and Space Admin ..	1,919	0	149	0	1,770	0	0	0	0
National Science Foundation	10,405	0	44	0	10,361	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Nevada, total	372,570	34,669	313,505	0	22,107	0	1,457	0	832
Department of Agriculture	3,160	880	0	0	2,244	0	36	0	0
Department of Commerce	728	0	16	0	712	0	0	0	0
Department of Defense, research ²	12,927	7,777	4,725	0	425	0	0	0	0
Department of Defense, total development ^{3 4}	6,684	4,653	1,953	0	78	0	0	0	0
Department of Energy	298,870	10	295,590	0	3,195	0	75	0	0
Department of Health & Human Svcs	6,245	0	0	0	4,656	0	1,346	0	243
Department of the Interior	11,738	10,420	0	0	1,318	0	0	0	0
Department of Transportation	10,106	0	9,268	0	249	0	0	0	589
Environmental Protection Agency	12,583	10,894	753	0	936	0	0	0	0
National Aeronautics and Space Admin ..	1,949	35	953	0	961	0	0	0	0
National Science Foundation	7,580	0	247	0	7,333	0	0	0	0
New Hampshire, total	213,647	30,902	121,212	0	59,179	0	1,722	0	632
Department of Agriculture	4,587	2,326	10	0	2,248	0	0	0	3
Department of Commerce	15,858	0	14,741	0	1,077	0	0	0	40
Department of Defense, research ²	33,545	15,400	15,040	0	3,105	0	0	0	0
Department of Defense, total development ^{3 4}	96,766	8,705	85,481	0	1,495	0	1,085	0	0
Department of Energy	1,335	0	0	0	1,281	0	54	0	0
Department of Health & Human Svcs	35,525	0	2,427	0	32,427	0	558	0	113
Department of the Interior	1,300	1,087	0	0	213	0	0	0	0
Department of Transportation	2,594	1,741	377	0	25	0	0	0	451
Environmental Protection Agency	500	0	0	0	500	0	0	0	0
National Aeronautics and Space Admin ..	12,422	132	2,908	0	9,332	0	25	0	25
National Science Foundation	9,215	1,511	228	0	7,476	0	0	0	0
New Jersey, total	1,325,902	343,667	630,884	0	215,220	115,284	11,332	4,130	5,385
Department of Agriculture	7,235	548	159	0	6,528	0	0	0	0
Department of Commerce	44,822	14,582	26,891	0	3,209	0	21	0	119
Department of Defense, research ²	136,820	69,591	37,511	0	29,505	0	213	0	0
Department of Defense, total development ^{3 4}	539,839	220,411	307,963	0	7,335	0	0	4,130	0
Department of Energy	157,547	0	18,254	0	23,825	115,178	290	0	0
Department of Health & Human Svcs	106,047	0	12,847	0	81,407	0	9,784	0	2,009
Department of the Interior	4,101	2,944	1,009	0	148	0	0	0	0
Department of Transportation	81,417	35,281	40,757	0	2,222	0	0	0	3,157
Environmental Protection Agency	8,228	0	313	0	7,700	0	115	0	100
National Aeronautics and Space Admin ..	189,885	235	182,017	0	7,145	0	488	0	0
National Science Foundation	49,961	75	3,163	0	46,196	106	421	0	0
New Mexico, total	1,987,076	481,047	226,496	635,692	92,493	534,882	6,218	7,417	2,831
Department of Agriculture	5,864	3,044	0	0	2,816	0	4	0	0
Department of Commerce	341	0	301	0	40	0	0	0	0
Department of Defense, research ²	116,404	54,386	21,922	11,034	19,117	9,875	70	0	0
Department of Defense, total development ^{3 4}	664,372	397,455	180,517	65,065	3,288	17,599	0	0	448
Department of Energy	1,066,387	0	6,249	558,818	3,006	489,485	2,181	6,648	0
Department of Health & Human Svcs	35,773	1,402	1,458	0	28,710	0	2,407	769	1,027
Department of the Interior	5,219	4,770	72	85	257	0	0	0	35
Department of Transportation	19,876	0	1,465	690	451	15,949	0	0	1,321
Environmental Protection Agency	2,304	0	1,535	0	460	0	309	0	0
National Aeronautics and Space Admin ..	56,080	19,350	11,806	0	23,906	812	206	0	0
National Science Foundation	14,456	640	1,171	0	10,442	1,162	1,041	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
New York, total	2,581,383	117,250	947,675	0	1,026,807	203,873	202,749	0	83,029
Department of Agriculture	31,828	14,650	80	0	15,584	0	1,514	0	0
Department of Commerce	21,434	181	18,221	0	2,814	50	41	0	127
Department of Defense, research ²	176,950	37,978	65,790	0	70,723	637	1,822	0	0
Department of Defense, total development ^{3 4}	597,056	44,668	525,519	0	24,461	2,051	357	0	0
Department of Energy	572,819	14,000	293,116	0	53,623	199,269	12,811	0	0
Department of Health & Human Svcs	910,325	485	14,433	0	647,377	0	170,992	0	77,038
Department of the Interior	5,335	4,972	64	0	274	0	25	0	0
Department of Transportation	15,059	0	5,723	0	2,743	65	1,324	0	5,204
Environmental Protection Agency	7,333	0	2,130	0	4,087	0	968	0	148
National Aeronautics and Space Admin ..	43,481	316	18,658	0	23,120	353	976	0	58
National Science Foundation	199,763	0	3,941	0	182,001	1,448	11,919	0	454
North Carolina, total	825,433	220,179	99,913	0	440,465	0	59,002	0	5,874
Department of Agriculture	32,586	16,903	80	0	15,574	0	19	0	10
Department of Commerce	18,415	5,387	6,796	0	5,680	0	74	0	478
Department of Defense, research ²	58,174	18,668	15,558	0	23,399	0	549	0	0
Department of Defense, total development ^{3 4}	78,574	34,594	32,479	0	9,819	0	1,682	0	0
Department of Energy	13,504	844	50	0	11,296	0	1,314	0	0
Department of Health & Human Svcs	434,731	68,595	15,207	0	310,668	0	37,036	0	3,225
Department of the Interior	3,645	3,265	95	0	285	0	0	0	0
Department of Transportation	6,418	0	1,654	0	2,438	0	250	0	2,076
Environmental Protection Agency	116,207	71,885	24,401	0	8,169	0	11,752	0	0
National Aeronautics and Space Admin ..	11,738	16	877	0	7,484	0	3,361	0	0
National Science Foundation	51,441	22	2,716	0	45,653	0	2,965	0	85
North Dakota, total	47,313	25,042	539	0	20,054	0	947	0	731
Department of Agriculture	25,321	19,372	80	0	5,869	0	0	0	0
Department of Commerce	289	0	9	0	280	0	0	0	0
Department of Defense, research ²	1,018	285	87	0	646	0	0	0	0
Department of Defense, total development ^{3 4}	337	34	74	0	229	0	0	0	0
Department of Energy	5,453	0	0	0	5,453	0	0	0	0
Department of Health & Human Svcs	2,947	0	0	0	2,147	0	660	0	140
Department of the Interior	5,445	5,351	16	0	78	0	0	0	0
Department of Transportation	1,145	0	7	0	260	0	287	0	591
Environmental Protection Agency	1,318	0	220	0	1,098	0	0	0	0
National Aeronautics and Space Admin ..	584	0	46	0	538	0	0	0	0
National Science Foundation	3,456	0	0	0	3,456	0	0	0	0
Ohio, total	1,811,413	599,044	810,049	0	326,720	0	71,914	0	3,686
Department of Agriculture	15,947	6,593	0	0	9,324	0	23	0	7
Department of Commerce	13,284	560	11,899	0	724	0	101	0	0
Department of Defense, research ²	310,473	169,909	87,960	0	47,777	0	4,827	0	0
Department of Defense, total development ^{3 4}	544,118	129,039	404,291	0	8,407	0	2,381	0	0
Department of Energy	47,590	0	40,358	0	7,163	0	28	0	41
Department of Health & Human Svcs	288,112	38,723	6,603	0	189,606	0	52,799	0	381
Department of the Interior	3,643	2,958	0	0	685	0	0	0	0
Department of Transportation	21,413	7,373	8,439	0	2,104	0	509	0	2,988
Environmental Protection Agency	58,993	43,139	8,220	0	5,409	0	1,992	0	233
National Aeronautics and Space Admin ..	470,914	200,750	241,328	0	19,626	0	9,174	0	36
National Science Foundation	36,926	0	951	0	35,895	0	80	0	0

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Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Oklahoma, total	159,395	45,104	55,518	0	47,519	0	9,289	0	1,965
Department of Agriculture	17,196	9,280	0	0	7,848	0	34	0	34
Department of Commerce	8,486	6,320	1,108	0	1,058	0	0	0	0
Department of Defense, research ²	5,558	2,241	225	0	3,092	0	0	0	0
Department of Defense, total development ^{3 4}	28,403	9,521	18,649	0	233	0	0	0	0
Department of Energy	37,972	1,833	32,009	0	4,130	0	0	0	0
Department of Health & Human Svcs	27,330	0	516	0	17,123	0	8,924	0	767
Department of the Interior	2,868	2,628	0	0	240	0	0	0	0
Department of Transportation	8,856	6,737	723	0	232	0	0	0	1,164
Environmental Protection Agency	8,880	6,207	2,288	0	385	0	0	0	0
National Aeronautics and Space Admin ..	1,132	337	0	0	760	0	35	0	0
National Science Foundation	12,714	0	0	0	12,418	0	296	0	0
Oregon, total	277,229	55,959	39,176	0	144,181	0	33,120	0	4,793
Department of Agriculture	37,438	21,277	0	0	15,933	0	190	0	38
Department of Commerce	13,681	9,197	2,493	0	1,933	0	0	0	58
Department of Defense, research ²	27,564	1,096	12,994	0	13,444	0	30	0	0
Department of Defense, total development ^{3 4}	11,325	370	8,869	0	2,086	0	0	0	0
Department of Energy	15,702	480	1,795	0	11,515	0	200	0	1,712
Department of Health & Human Svcs	101,921	0	6,879	0	62,181	0	31,559	0	1,302
Department of the Interior	13,529	13,321	19	0	189	0	0	0	0
Department of Transportation	2,128	0	0	0	995	0	0	0	1,133
Environmental Protection Agency	20,509	10,090	3,706	0	6,163	0	0	0	550
National Aeronautics and Space Admin ..	7,874	128	1,677	0	5,470	0	599	0	0
National Science Foundation	25,558	0	744	0	24,272	0	542	0	0
Pennsylvania, total	2,414,250	227,520	1,251,691	0	717,636	21,980	189,379	0	6,044
Department of Agriculture	39,353	29,389	80	0	9,857	0	20	0	7
Department of Commerce	13,774	414	12,592	0	350	0	370	0	48
Department of Defense, research ²	145,477	15,143	16,052	0	87,012	21,345	5,925	0	0
Department of Defense, total development ^{3 4}	999,974	110,775	811,771	0	25,247	635	51,546	0	0
Department of Energy	456,708	64,744	358,103	0	26,940	0	6,921	0	0
Department of Health & Human Svcs	568,929	20	10,719	0	453,136	0	104,530	0	524
Department of the Interior	6,057	5,085	397	0	547	0	28	0	0
Department of Transportation	14,483	0	5,680	0	1,989	0	1,350	0	5,464
Environmental Protection Agency	4,910	0	653	0	3,241	0	1,016	0	0
National Aeronautics and Space Admin ..	53,225	1,500	34,582	0	15,634	0	1,508	0	1
National Science Foundation	111,360	450	1,062	0	93,683	0	16,165	0	0
Rhode Island, total	515,425	254,302	179,292	0	62,738	0	16,767	0	2,326
Department of Agriculture	1,537	0	0	0	1,483	0	54	0	0
Department of Commerce	3,059	544	75	0	2,395	0	0	0	45
Department of Defense, research ²	21,765	10,471	272	0	10,899	0	123	0	0
Department of Defense, total development ^{3 4}	410,713	231,949	177,538	0	1,226	0	0	0	0
Department of Energy	2,283	0	0	0	2,268	0	15	0	0
Department of Health & Human Svcs	37,781	0	367	0	21,756	0	14,430	0	1,228
Department of the Interior	1,677	1,200	38	0	439	0	0	0	0
Department of Transportation	1,426	570	108	0	40	0	0	0	708
Environmental Protection Agency	10,362	9,273	364	0	725	0	0	0	0
National Aeronautics and Space Admin ..	4,338	295	523	0	3,050	0	470	0	0
National Science Foundation	20,484	0	7	0	18,457	0	1,675	0	345

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
South Carolina, total	177,962	34,441	41,168	29,858	65,741	0	2,732	0	4,022
Department of Agriculture	15,236	8,766	0	0	6,470	0	0	0	0
Department of Commerce	40,099	12,424	23,731	0	3,441	0	350	0	153
Department of Defense, research ²	6,650	1,035	10	23	5,545	0	37	0	0
Department of Defense, total development ^{3 4}	28,337	9,492	16,030	0	1,415	0	1,400	0	0
Department of Energy	38,134	0	55	29,835	8,192	0	52	0	0
Department of Health & Human Svcs	33,776	50	1,016	0	29,450	0	655	0	2,605
Department of the Interior	2,784	2,674	10	0	100	0	0	0	0
Department of Transportation	1,431	0	0	0	373	0	0	0	1,058
Environmental Protection Agency	465	0	0	0	465	0	0	0	0
National Aeronautics and Space Admin ..	2,420	0	123	0	1,885	0	206	0	206
National Science Foundation	8,630	0	193	0	8,405	0	32	0	0
South Dakota, total	26,492	13,428	2,737	0	8,392	0	847	0	1,088
Department of Agriculture	5,518	2,495	0	0	3,023	0	0	0	0
Department of Commerce	10	0	0	0	10	0	0	0	0
Department of Defense, research ²	290	285	5	0	0	0	0	0	0
Department of Defense, total development ^{3 4}	76	50	26	0	0	0	0	0	0
Department of Energy	80	0	0	0	80	0	0	0	0
Department of Health & Human Svcs	2,745	562	335	0	581	0	847	0	420
Department of the Interior	5,838	3,549	2,051	0	238	0	0	0	0
Department of Transportation	668	0	0	0	0	0	0	0	668
National Aeronautics and Space Admin ..	7,760	6,487	255	0	1,018	0	0	0	0
National Science Foundation	3,507	0	65	0	3,442	0	0	0	0
Tennessee, total	581,956	62,100	34,700	278,132	167,951	16,940	19,875	0	2,258
Department of Agriculture	9,249	160	0	0	9,089	0	0	0	0
Department of Commerce	1,115	1,005	41	0	69	0	0	0	0
Department of Defense, research ²	20,279	5,799	1,964	1,631	10,846	39	0	0	0
Department of Defense, total development ^{3 4}	62,446	46,216	6,787	7,882	1,561	0	0	0	0
Department of Energy	299,627	503	11,058	267,663	6,073	14,330	0	0	0
Department of Health & Human Svcs	142,131	1,330	2,540	528	117,293	600	19,508	0	332
Department of the Interior	3,074	2,751	35	0	245	0	0	0	43
Department of Transportation	3,300	942	53	418	191	0	0	0	1,696
Environmental Protection Agency	1,101	0	208	0	893	0	0	0	0
National Aeronautics and Space Admin ..	23,667	3,394	11,156	0	6,736	1,919	367	0	95
National Science Foundation	15,967	0	858	10	14,955	52	0	0	92
Texas, total	4,062,175	537,508	2,701,709	0	649,159	0	163,001	860	9,938
Department of Agriculture	61,417	43,582	160	0	17,502	0	145	0	28
Department of Commerce	17,214	2,586	12,464	0	1,769	0	79	0	316
Department of Defense, research ²	130,131	52,178	29,924	0	45,063	0	2,966	0	0
Department of Defense, total development ^{3 4}	1,260,642	94,172	1,030,035	0	35,121	0	100,454	860	0
Department of Energy	69,130	0	40,103	0	28,155	0	872	0	0
Department of Health & Human Svcs	443,460	275	8,901	0	398,347	0	33,585	0	2,352
Department of the Interior	9,248	7,254	131	0	1,863	0	0	0	0
Department of Transportation	17,447	0	8,861	0	1,825	0	307	0	6,454
Environmental Protection Agency	16,939	0	7,350	0	8,442	0	1,015	0	132
National Aeronautics and Space Admin ..	1,956,953	337,461	1,562,001	0	34,312	0	23,179	0	0
National Science Foundation	79,594	0	1,779	0	76,760	0	399	0	656

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Utah, total	371,208	131,138	98,522	0	128,347	0	7,730	0	5,471
Department of Agriculture	13,369	7,901	0	0	5,466	0	0	0	2
Department of Commerce	4,409	0	3,963	0	180	0	0	0	266
Department of Defense, research ²	26,045	4,630	11,493	0	9,922	0	0	0	0
Department of Defense, total development ^{3 4}	200,889	113,167	75,132	0	12,590	0	0	0	0
Department of Energy	16,798	0	756	0	6,936	0	5,194	0	3,912
Department of Health & Human Svcs	72,831	0	4,231	0	65,836	0	2,379	0	385
Department of the Interior	5,621	5,233	91	0	297	0	0	0	0
Department of Transportation	1,417	0	34	0	477	0	0	0	906
Environmental Protection Agency	1,259	0	379	0	880	0	0	0	0
National Aeronautics and Space Admin ..	6,762	207	1,943	0	4,455	0	157	0	0
National Science Foundation	21,808	0	500	0	21,308	0	0	0	0
Vermont, total	53,590	4,702	13,358	0	33,514	0	1,413	0	603
Department of Agriculture	5,785	1,598	0	0	4,175	0	12	0	0
Department of Commerce	45	0	0	0	45	0	0	0	0
Department of Defense, research ²	2,418	689	597	0	1,132	0	0	0	0
Department of Defense, total development ^{3 4}	11,155	755	10,288	0	112	0	0	0	0
Department of Energy	534	0	0	0	534	0	0	0	0
Department of Health & Human Svcs	26,937	0	1,376	0	24,027	0	1,401	0	133
Department of the Interior	1,804	1,660	66	0	78	0	0	0	0
Department of Transportation	419	0	0	0	0	0	0	0	419
Environmental Protection Agency	51	0	0	0	0	0	0	0	51
National Aeronautics and Space Admin ..	663	0	574	0	89	0	0	0	0
National Science Foundation	3,779	0	457	0	3,322	0	0	0	0
Virginia, total	3,603,023	1,580,530	1,534,313	0	206,554	59,031	41,651	177,472	3,472
Department of Agriculture	12,129	787	0	0	10,074	0	1,177	0	91
Department of Commerce	36,758	5,384	27,404	0	3,801	0	50	0	119
Department of Defense, research ²	346,911	107,903	204,961	0	22,786	0	1,309	9,952	0
Department of Defense, total development ^{3 4}	2,202,645	1,136,286	892,538	0	9,006	0	6,647	158,168	0
Department of Energy	93,285	9,704	12,364	0	7,257	59,031	4,929	0	0
Department of Health & Human Svcs	146,354	1,306	36,964	0	98,639	0	8,209	0	1,236
Department of the Interior	51,152	40,663	9,873	0	567	0	49	0	0
Department of Transportation	55,657	9,592	32,991	0	1,728	0	250	9,088	2,008
Environmental Protection Agency	33,901	0	31,853	0	1,165	0	883	0	0
National Aeronautics and Space Admin ..	563,187	267,607	265,384	0	20,846	0	9,332	0	18
National Science Foundation	61,044	1,298	19,981	0	30,685	0	8,816	264	0
Washington, total	1,127,750	159,837	329,654	0	330,375	0	95,900	204,972	7,012
Department of Agriculture	36,622	21,057	0	0	15,386	0	0	0	179
Department of Commerce	58,453	54,119	1,975	0	2,212	0	0	0	147
Department of Defense, research ²	61,155	4,036	34,822	0	19,556	0	1,752	989	0
Department of Defense, total development ^{3 4}	285,175	66,291	199,512	0	17,105	0	578	1,689	0
Department of Energy	231,267	559	17,787	0	17,835	0	103	194,003	980
Department of Health & Human Svcs	308,384	17	8,540	0	198,756	0	90,090	7,088	3,893
Department of the Interior	14,880	12,570	47	0	2,263	0	0	0	0
Department of Transportation	4,378	0	943	0	733	0	118	1,203	1,381
Environmental Protection Agency	2,145	0	52	0	861	0	900	0	332
National Aeronautics and Space Admin ..	77,434	1,188	64,023	0	11,897	0	326	0	0
National Science Foundation	47,857	0	1,953	0	43,771	0	2,033	0	100

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
West Virginia, total	296,347	139,595	83,116	0	35,132	29,597	5,999	0	2,908
Department of Agriculture	20,837	15,777	0	0	3,743	0	1,197	0	120
Department of Commerce	153	0	0	0	153	0	0	0	0
Department of Defense, research ²	1,725	285	7	0	1,433	0	0	0	0
Department of Defense, total development ^{3 4}	15,289	6,453	4,303	0	148	0	4,385	0	0
Department of Energy	134,360	58,324	70,674	0	5,362	0	0	0	0
Department of Health & Human Svcs	59,614	51,434	97	0	6,472	0	297	0	1,314
Department of the Interior	6,377	6,262	22	0	93	0	0	0	0
Department of Transportation	2,611	0	1,291	0	125	0	0	0	1,195
Environmental Protection Agency	10	0	0	0	0	0	10	0	0
National Aeronautics and Space Admin ..	22,831	1,060	6,722	0	14,939	0	110	0	0
National Science Foundation	32,540	0	0	0	2,664	29,597	0	0	279
Wisconsin, total	347,089	40,344	35,934	0	260,374	0	6,720	0	3,717
Department of Agriculture	34,643	23,843	404	0	10,351	0	10	0	35
Department of Commerce	5,144	625	2,381	0	2,138	0	0	0	0
Department of Defense, research ²	25,364	434	6,395	0	18,535	0	0	0	0
Department of Defense, total development ^{3 4}	5,581	537	2,608	0	2,436	0	0	0	0
Department of Energy	19,040	240	0	0	18,800	0	0	0	0
Department of Health & Human Svcs	161,351	0	1,797	0	150,985	0	6,623	0	1,946
Department of the Interior	12,607	12,246	0	0	292	0	0	0	69
Department of Transportation	5,587	2,419	515	0	1,091	0	0	0	1,562
Environmental Protection Agency	2,010	0	0	0	1,905	0	0	0	105
National Aeronautics and Space Admin ..	35,932	0	21,737	0	14,108	0	87	0	0
National Science Foundation	39,830	0	97	0	39,733	0	0	0	0
Wyoming, total	35,151	8,669	223	0	12,680	0	12,628	0	951
Department of Agriculture	6,556	4,603	0	0	1,935	0	18	0	0
Department of Commerce	57	0	0	0	0	0	0	0	57
Department of Defense, research ²	2,028	285	4	0	1,739	0	0	0	0
Department of Defense, total development ^{3 4}	126	42	9	0	75	0	0	0	0
Department of Energy	5,268	0	55	0	1,213	0	3,950	0	50
Department of Health & Human Svcs	1,097	0	0	0	815	0	50	0	232
Department of the Interior	4,089	3,739	0	0	350	0	0	0	0
Department of Transportation	9,222	0	0	0	0	0	8,610	0	612
Environmental Protection Agency	477	0	0	0	477	0	0	0	0
National Aeronautics and Space Admin ..	806	0	55	0	751	0	0	0	0
National Science Foundation	5,425	0	100	0	5,325	0	0	0	0
Outlying areas, total	165,665	96,041	684	0	59,266	7,669	186	0	1,819
Department of Agriculture	13,088	5,176	0	0	7,876	0	36	0	0
Department of Commerce	1,636	1,083	0	0	320	0	0	0	233
Department of Defense, research ²	733	0	322	0	411	0	0	0	0
Department of Defense, total development ^{3 4}	7,779	7,342	362	0	75	0	0	0	0
Department of Energy	32	0	0	0	32	0	0	0	0
Department of Health & Human Svcs	23,020	0	0	0	21,709	0	150	0	1,161
Department of the Interior	102,821	82,440	0	0	20,381	0	0	0	0
Department of Transportation	468	0	0	0	43	0	0	0	425
Environmental Protection Agency	165	0	0	0	165	0	0	0	0
National Aeronautics and Space Admin ..	3,513	0	0	0	3,513	0	0	0	0
National Science Foundation	12,410	0	0	0	4,741	7,669	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

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State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Puerto Rico, total	46,657	7,163	0	0	29,999	7,669	186	0	1,640
Department of Agriculture	9,316	5,176	0	0	4,104	0	36	0	0
Department of Commerce	400	0	0	0	320	0	0	0	80
Department of Defense, research ²	159	0	0	0	159	0	0	0	0
Department of Energy	32	0	0	0	32	0	0	0	0
Department of Health & Human Svcs	21,915	0	0	0	20,630	0	150	0	1,135
Department of the Interior	2,065	1,987	0	0	78	0	0	0	0
Department of Transportation	468	0	0	0	43	0	0	0	425
Environmental Protection Agency	165	0	0	0	165	0	0	0	0
National Science Foundation	12,137	0	0	0	4,468	7,669	0	0	0
Other areas, total	119,008	88,878	684	0	29,267	0	0	0	179
Department of Agriculture	3,772	0	0	0	3,772	0	0	0	0
Department of Commerce	1,236	1,083	0	0	0	0	0	0	153
Department of Defense, research ²	574	0	322	0	252	0	0	0	0
Department of Defense, total development ^{3 4}	7,779	7,342	362	0	75	0	0	0	0
Department of Health & Human Svcs	1,105	0	0	0	1,079	0	0	0	26
Department of the Interior	100,756	80,453	0	0	20,303	0	0	0	0
National Aeronautics and Space Admin ..	3,513	0	0	0	3,513	0	0	0	0
National Science Foundation	273	0	0	0	273	0	0	0	0
Offices abroad, total	48,019	18,265	24,911	0	1,210	0	3,012	0	621
Department of Agriculture	3,770	3,770	0	0	0	0	0	0	0
Department of Defense, research ²	5,272	4,061	0	0	1,210	0	1	0	0
Department of Defense, total development ^{3 4}	36,145	8,234	24,911	0	0	0	3,000	0	0
Department of Energy	2,200	2,200	0	0	0	0	0	0	0
Department of Health & Human Svcs	11	0	0	0	0	0	11	0	0
National Aeronautics and Space Admin ..	621	0	0	0	0	0	0	0	621

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

³ Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, this table shows only total development.

⁴ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1995.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-84. Federal obligations for R&D plant, by State and category of performer supported:
fiscal year 1995**

[Dollars in thousands]

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State	Total	Intra- mural ¹	Extramural						
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu- tions	FFRDCs admin by non- profit institu- tions	State and local govts
Total	2,215,583	469,356	696,468	95,143	321,986	543,888	25,594	62,623	525
Alabama	44,091	479	39,821	0	3,791	0	0	0	0
Alaska	1,361	69	0	0	1,292	0	0	0	0
Arizona	42,678	407	704	0	567	41,000	0	0	0
Arkansas	3,922	607	0	0	3,315	0	0	0	0
California	414,792	8,024	151,809	1,151	107,502	144,806	1,500	0	0
Colorado	31,232	2,030	1,018	0	9,532	7,982	3,537	7,133	0
Connecticut	5,178	389	0	0	4,264	0	0	0	525
Delaware	1,885	405	33	0	1,447	0	0	0	0
District of Columbia	3,042	1,963	494	0	201	0	384	0	0
Florida	41,505	3,616	36,106	0	1,783	0	0	0	0
Georgia	12,360	2,286	165	0	9,909	0	0	0	0
Hawaii	498	230	0	0	268	0	0	0	0
Idaho	8,871	1,334	5,800	1,192	545	0	0	0	0
Illinois	190,203	3,495	341	0	17,560	168,807	0	0	0
Indiana	4,783	332	5	0	4,446	0	0	0	0
Iowa	15,497	12,442	0	0	408	2,647	0	0	0
Kansas	1,189	362	530	0	297	0	0	0	0
Kentucky	4,714	9	23	0	4,682	0	0	0	0
Louisiana	21,552	3,334	16,976	0	1,242	0	0	0	0
Maine	735	9	0	0	89	0	637	0	0
Maryland	390,364	301,779	82,574	0	6,011	0	0	0	0
Massachusetts	23,102	1,442	84	0	15,515	0	6,061	0	0
Michigan	4,615	172	0	0	4,443	0	0	0	0
Minnesota	5,078	1,867	1,095	0	2,116	0	0	0	0
Mississippi	36,602	7,650	25,966	0	2,986	0	0	0	0
Missouri	4,564	12	2,634	0	1,184	0	734	0	0
Montana	4,920	2,316	0	0	2,604	0	0	0	0
Nebraska	2,317	1,749	17	0	551	0	0	0	0
Nevada	38,459	10	37,856	0	593	0	0	0	0
New Hampshire	19	19	0	0	0	0	0	0	0
New Jersey	35,332	21,783	4,629	0	6,020	2,900	0	0	0
New Mexico	133,766	5,846	8,363	63,603	2,941	52,726	0	287	0
New York	159,094	5,137	14,148	0	25,802	109,621	4,386	0	0
North Carolina	25,785	18,037	2,129	0	5,619	0	0	0	0
North Dakota	4,859	879	0	0	3,980	0	0	0	0
Ohio	147,550	37,958	108,106	0	1,486	0	0	0	0
Oklahoma	2,800	826	314	0	1,660	0	0	0	0
Oregon	5,185	1,052	0	0	4,133	0	0	0	0
Pennsylvania	35,414	4,050	6,979	0	17,641	0	6,744	0	0
Rhode Island	7,342	9	0	0	7,333	0	0	0	0
South Carolina	2,717	373	771	190	1,383	0	0	0	0
South Dakota	4,326	84	4,242	0	0	0	0	0	0
Tennessee	37,067	1,059	668	29,007	4,479	1,854	0	0	0
Texas	84,339	4,193	72,664	0	7,482	0	0	0	0
Utah	5,252	609	808	0	3,835	0	0	0	0
Vermont	9	9	0	0	0	0	0	0	0
Virginia	81,199	3,086	64,027	0	730	11,545	1,611	200	0
Washington	64,319	1,172	397	0	7,747	0	0	55,003	0
West Virginia	5,424	1,111	3,917	0	396	0	0	0	0
Wisconsin	9,573	665	255	0	8,653	0	0	0	0
Wyoming	1,488	341	0	0	1,147	0	0	0	0
Outlying areas	1,351	975	0	0	376	0	0	0	0
Puerto Rico	273	160	0	0	113	0	0	0	0
Other areas	1,078	815	0	0	263	0	0	0	0
Offices abroad	1,264	1,264	0	0	0	0	0	0	0

¹ Federal installations

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-85. Federal obligations for R&D plant, by State and agency:
fiscal year 1995

[Dollars in thousands]

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State	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	2,215,583	143,372	77,703	65,244	745,069	255,705	6,666	28,779	4,764	598,700	289,581
Alabama	44,091	743	0	51	0	2,236	0	0	0	40,012	1,049
Alaska	1,361	60	0	9	0	0	0	0	0	0	1,292
Arizona	42,678	398	0	411	0	0	0	0	0	302	41,567
Arkansas	3,922	2,462	0	9	0	398	0	0	0	0	1,053
California	414,792	7,904	0	994	153,470	550	0	0	0	141,803	110,071
Colorado	31,232	1,656	1,367	27	7,541	0	0	3,537	0	192	16,912
Connecticut	5,178	551	0	389	1,203	0	0	525	0	0	2,510
Delaware	1,885	1,474	0	42	0	0	299	0	0	0	70
District of Columbia	3,042	1,133	0	95	299	545	0	0	382	3	585
Florida	41,505	3,199	0	1,093	0	0	0	0	382	35,048	1,783
Georgia	12,360	4,808	0	60	0	0	0	0	0	114	7,378
Hawaii	498	212	0	9	268	0	0	0	0	9	0
Idaho	8,871	1,325	0	9	6,992	0	0	0	0	0	545
Illinois	190,203	6,477	0	211	169,297	723	0	0	0	0	13,495
Indiana	4,783	614	0	9	562	0	0	0	0	5	3,593
Iowa	15,497	12,433	0	9	2,722	0	0	0	0	0	333
Kansas	1,189	353	0	9	75	0	0	0	0	530	222
Kentucky	4,714	870	0	9	0	2,119	0	0	0	23	1,693
Louisiana	21,552	1,819	0	28	68	1,575	0	0	0	16,957	1,105
Maine	735	0	0	9	0	637	0	0	0	0	89
Maryland	390,364	9,639	76,336	9,292	150	213,601	0	0	0	77,801	3,545
Massachusetts	23,102	6,171	0	28	5,599	6,043	0	0	0	65	5,196
Michigan	4,615	157	0	866	404	0	0	0	0	0	3,188
Minnesota	5,078	1,858	0	15	112	0	0	0	0	1,089	2,004
Mississippi	36,602	8,571	0	288	19	0	0	0	0	26,134	1,590
Missouri	4,564	737	0	12	0	0	0	0	0	2,631	1,184
Montana	4,920	2,793	0	9	0	2,118	0	0	0	0	0
Nebraska	2,317	1,740	0	26	0	0	0	0	0	0	551
Nevada	38,459	244	0	16	37,849	0	0	0	0	0	350
New Hampshire	19	0	0	19	0	0	0	0	0	0	0
New Jersey	35,332	3,671	0	2,184	2,950	0	992	21,690	0	1,850	1,995
New Mexico	133,766	1,523	0	6,485	116,880	0	0	0	0	7,578	1,300
New York	159,094	8,555	0	72	126,611	3,704	0	0	0	0	20,152
North Carolina	25,785	2,743	0	67	313	17,861	0	0	2,000	87	2,714
North Dakota	4,859	4,435	0	9	0	0	0	0	0	0	415
Ohio	147,550	351	0	37,857	561	0	0	0	2,000	105,698	1,083
Oklahoma	2,800	1,005	0	9	490	0	0	0	0	0	1,296
Oregon	5,185	3,368	0	9	113	0	0	0	0	0	1,695
Pennsylvania	35,414	12,822	0	50	5,578	433	0	0	0	1,900	14,631
Rhode Island	7,342	6,055	0	9	25	0	0	0	0	0	1,253
South Carolina	2,717	364	0	9	291	0	0	0	0	771	1,282
South Dakota	4,326	75	0	37	0	0	4,214	0	0	0	0
Tennessee	37,067	2,380	0	9	30,996	0	0	0	0	1,583	2,099
Texas	84,339	3,657	0	789	221	0	0	0	0	72,984	6,688
Utah	5,252	533	0	1,081	50	662	0	0	0	178	2,748
Vermont	9	0	0	9	0	0	0	0	0	0	0
Virginia	81,199	0	0	424	11,545	0	1,161	3,027	0	62,701	2,341
Washington	64,319	5,623	0	12	57,147	0	0	0	0	397	1,140
West Virginia	5,424	802	0	9	4,217	0	0	0	0	0	396
Wisconsin	9,573	3,334	0	9	451	2,500	0	0	0	255	3,024
Wyoming	1,488	1,479	0	9	0	0	0	0	0	0	0
Outlying areas	1,351	185	0	790	0	0	0	0	0	0	376
Puerto Rico	273	160	0	0	0	0	0	0	0	0	113
Other areas	1,078	25	0	790	0	0	0	0	0	0	263
Offices abroad	1,264	11	0	1,253	0	0	0	0	0	0	0

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997